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 Soedinenii Titaniya, Sep 61 [1961], 15 refs. RTS 1944.
 Order from OTS for SLA 61.60 61-28160

Trans. of [Institute] Fizicheskoi] Khimii (USSR) 1956
 v. 30, no. 6, p. 1255-1266.

DESCRIPTIONS: Titanium compounds. *Carbides,
 *Nitriles. *Factors, oxidation, Temperature, Haru-
 ness. *Carbon, chemical analysis, X-ray diffraction
 analysis, reflection diffraction analysis.

It has been found that the oxidation isotherms for dense
 compacted specimens of titanium carbide and nitride
 consist of two sections, an initial curved section
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BZA R-3106

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Order from: OTS or SLA 51.10

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DESCRIPTORS: *Balances, *Reaction kinetics,
Measuremen., Electrochemistry, Solids.

(Chemistry--Physics, "A", v. 7, no. 6)

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R-10582-D
10 July 69

Title: ~~Unknown~~ pp. 1615 to 1621. 8pp

Author: E.N. Spassin & A.E. Mamonov. (E.N. Brenin, et al)

Source: Kh. Fiz. Khim. Vol. 30 (1956).

Language: Russian.

Special Instruction: Please translate & type 1 copy only

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DESCRIPTORS: *Electrolytes, *Tin, *Deposits, Crys-
tal structure, Electroplating, Electrodeposition.

Electrolytic tin deposits can be produced both with a
disoriented placement of crystallites and with a
markedly pronounced axial texture. Deposits produced
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crystallites; it improves with smaller grains and
reaching a sufficient thickness of the deposit. The
texture is clearly seen when the deposition is made in
a sulphate electrolyte. When the grain size decreases
(Chemistry-Physical, IT, v. 7, no. 9) (over)

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DESCRIPTORS: Solids, *Porous materials, *Porosity,
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OTS 62-16187

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Study of the Mechanism of Catalytic Hydrogenation
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APB-50J173

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The Separation of Boron Isotopes by Thermo-Diffusion,
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9 pp.

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JPRS 2477

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ATS-58M47R

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1. Alcohols--Oxidation
2. Aldehydes--Oxidation
3. Platinum--Chemical reactions
4. Ethanol--Oxidation
5. Title: Electrooxidation
- I. Bogdanovskiy, G. A.
- II. Shlygin, A. I.
- III. ATS-58M47R
- IV. Associated Technical
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(Chemistry--Physical, TT, v. 5, no. 7)

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DESCRIPTOR: *Permanganates, *Potassium com-
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kinetics.

Formulas are adduced for the calculation of the
activation energies in the processes of the origination
(emergence) of initial centers and the nuclear growth
of the solid product during the thermal dissociation
of potassium permanganate. There are calculated the
overall activation energy, the activation energy of
the first and second stages in the process of the
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